Affordable Ground Based Radar (AGBR)

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DAHLGREN
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Sponsor:

Office of Naval Research
Missile Defense
Future Naval Capability

DEPARTMENT OF THE NAVY
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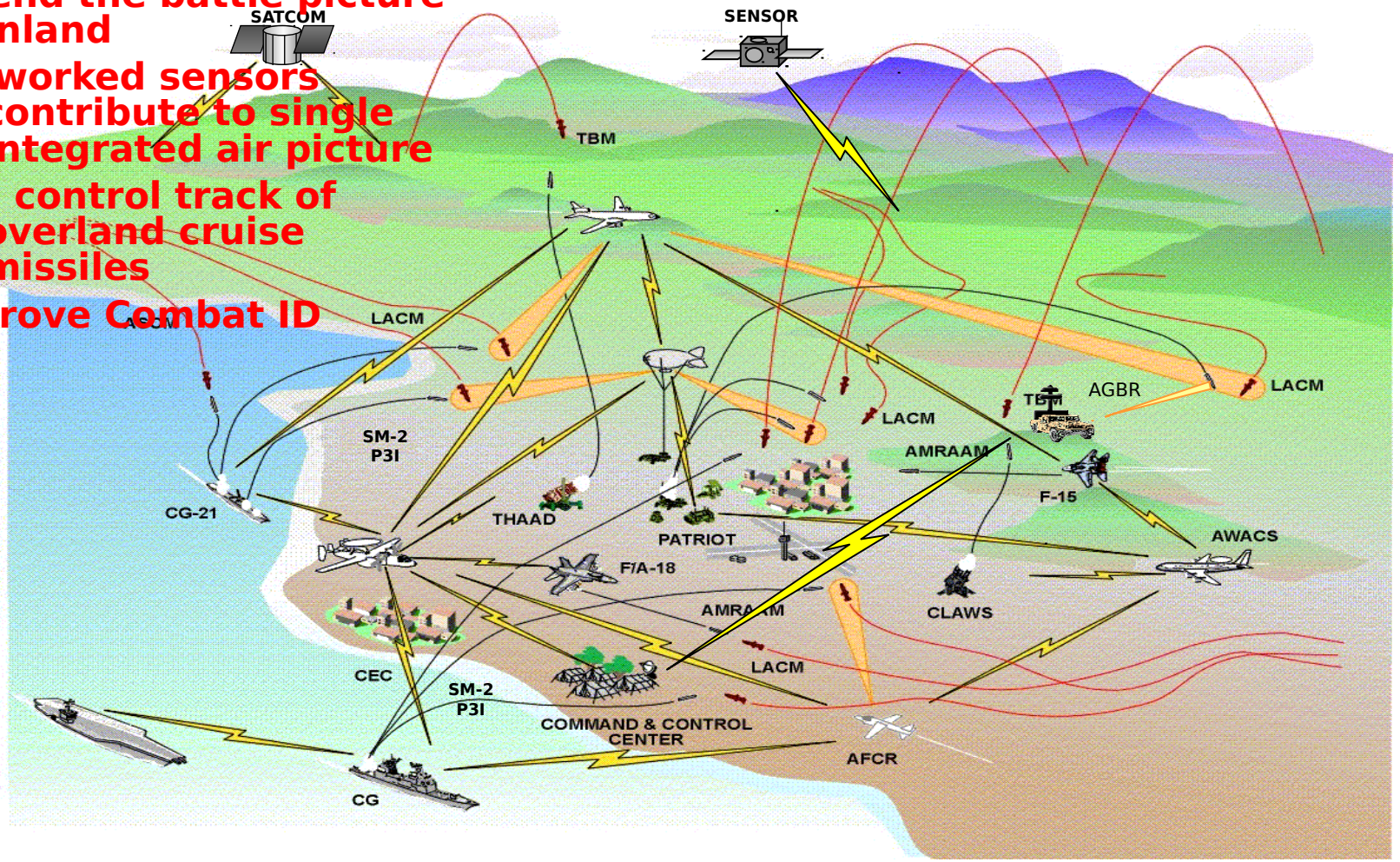
AGBR's Contribution to Missile Defense Future Naval Capability (FNC)

- **Extend the battle picture inland**
- **Networked sensors contribute to single integrated air picture**
- **Fire control track of overland cruise missiles**
- **Improve Combat ID**



Affordable Ground Based Radar Goals are to Support Milestone B Decision for MRRS

Demonstrate a HMMWV mounted radar that supports

- TAOC,
- SHORAD, and
- ATC missions

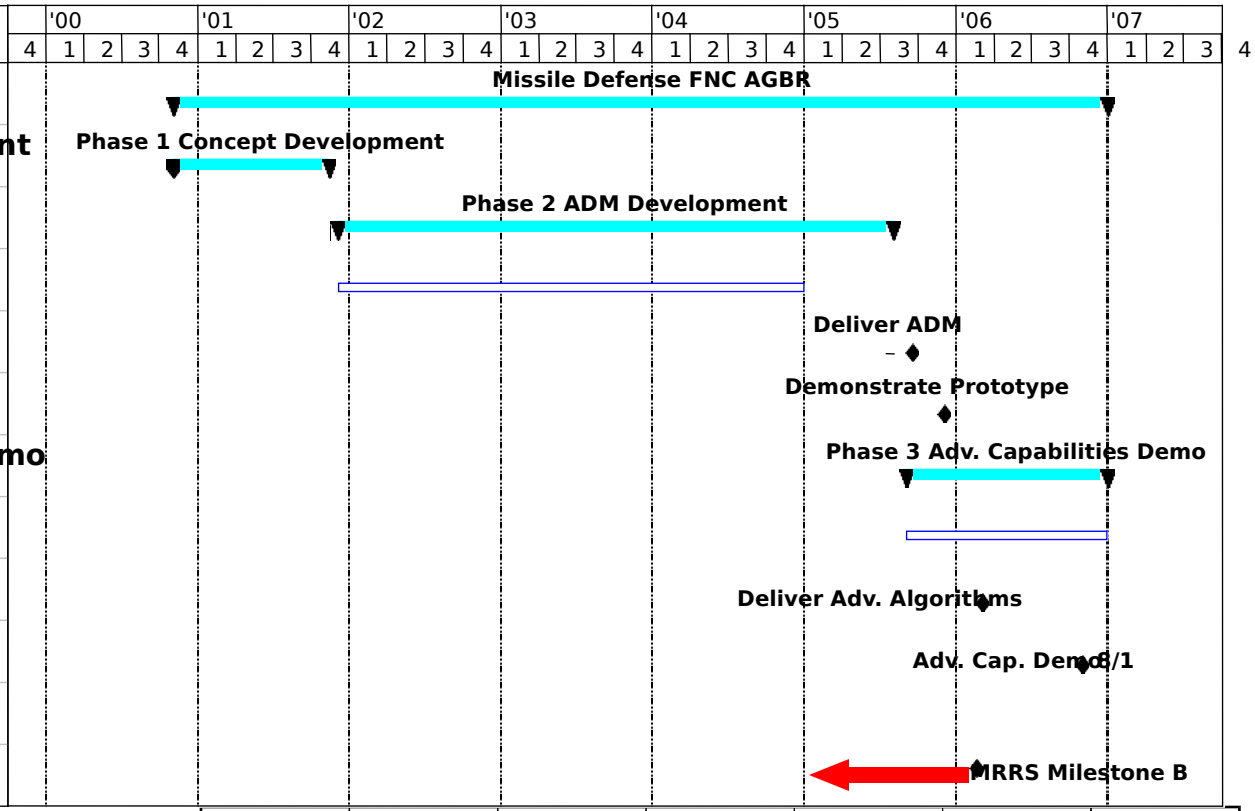
in all weather and terrain conditions.

Transition

Reduced risk
Proven technology maturity
Cost visibility
Validated requirements

Current Schedule Relative to MRRS Milestone B

ID	Task Name
1	**Missile Defense FNC AGBR**
2	**Phase 1 Concept Development**
10	**Phase 2 ADM Development**
11	Phase 2 Prototype Dev.
12	Deliver ADM
13	Demonstrate Prototype
14	**Phase 3 Adv. Capabilities Demo**
15	Integration
16	Deliver Adv. Algorithms
17	Adv. Cap. Demo
18	
19	**MRRS Milestone B**



01	02	03	04	05	06	Total
$1.75M	$6.0M	$5.0M	$5.0M	$6.0M	$4.0M	$27.5M

Currently re-planning program to accommodate early ’05 Milestone B.

Current Status

- Just completed Phase 1 Concept Development.
- Down selected from 4 to 1.
- Contract awarded to Raytheon Co.

AGBR ADM
- Partially populated, X-band, active, electronically steered array
- Single Rotating Face
- Mounted on two HMMWVs